



DEPARTMENT OF THE NAVY  
NAVAL AIR SYSTEMS COMMAND  
NAVAL AIR SYSTEMS COMMAND HEADQUARTERS  
1421 JEFFERSON DAVIS HWY  
ARLINGTON VA 22243

IN REPLY REFER TO

NAVAIRINST 5400.137A  
AIR-1002  
1 Sep 94

NAVAIR INSTRUCTION 5400.137A

From: Commander, Naval Air Systems Command

Subj: AIR TRAFFIC CONTROL AND LANDING SYSTEMS PROGRAM

- Ref:
- (a) OPNAVINST 3721.5J, Naval Air Traffic Control, Air Navigation Aids and Landing Systems (NAALS) Program (NOTAL)
  - (b) OPNAVINST 5740.13A, DOD Responsibilities on Federal Aviation and National Airspace System Matters (NOTAL)
  - (c) Joint Service Charter for the Management and Administration of the Department of Defense National Airspace System Acquisition Program of 20 Apr 91 (NOTAL)
  - (d) Disestablishment of AIR-551 and Standup of PMA251 and Transfer of People and Resources to PMA213 Memorandum of Understanding of 17 Jun 92 (NOTAL)
  - (e) DODD 5000.1 of 23 Feb 91, Defense Acquisition
  - (f) DODI 5000.2 of 23 Feb 91, Defense Acquisition Management Policies and Procedures
  - (g) DODM 5000.2-M of 23 Feb 91, Defense Acquisition Management Documentation and Reports
  - (h) SECNAVINST 5000.2A, Implementation of Defense Acquisition Management Policies, Procedures, Documentation, and Reports (NOTAL)
  - (i) NAVAIRINST 5400.1B, Naval Air Systems Command Headquarters Organization Manual (NOTAL)
  - (j) NAVMILPERSCOMINST 1611.1A, Navy Officer Fitness Report (FITREP) Manual (NOTAL)

Encl: (1) Charter for the Air Traffic Control and Landing Systems Program Manager Air (PMA213)

1. Purpose. This instruction continues the Air Traffic Control and Landing Systems (ATCALS) Program (PMA213) as a designated program under direction of the Commander, Naval Air Systems Command (COMNAVAIR); issues a revised charter that provides the program's description, scope, operating relationships, organization, resources, and outlines the authority and responsibility of the ATCALS program manager (PM).

2. Cancellation. This instruction supersedes NAVAIR Instruction 5400.137 of 19 December 1989. This is a major revision and changes are not indicated.



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1 Sep 94

### 3. Background

a. By Joint Memorandum of Agreement (MOA) between Naval Air Systems Command (NAVAIR) and Space and Naval Warfare Systems Command (SPAWAR) of 1 October 1986, management responsibilities for the ATCALS Program were transferred from SPAWAR to NAVAIR. Effective 1 October 1986, COMNAVAIR assigned responsibility for ATCALS to the Assistant Commander for Systems and Engineering (AIR-05). AIR-05 assigned program management responsibility to the former Air Traffic Control (ATC) Division (AIR-555). Effective 30 June 1987 COMNAVAIR disestablished AIR-555, transferred program management for ATCALS from AIR-05 to the former Program Director Air (PDA) for Electronic Warfare and Mission Support Programs (PDA12), established the Air Program Coordinator (APC) billet for the ATCAL Program (APC213), and assigned program management responsibility for ATCALS to APC213.

b. Reference (a) assigned authority and responsibility for Naval ATC, Air Navigation Aids and Landing Systems (NAALS) to NAVAIR, as lead Systems Command for naval non-tactical ATC. COMNAVAIR delegated management responsibility for NAALS to APC213.

c. Effective 9 May 1988, COMNAVAIR elevated APC213 to Program Manager Air (PMA213).

d. Effective 22 June 1988, COMNAVAIR transferred management responsibility for Combat Identification Systems Mark XV (Identification Friend or Foe development) from the Common Avionics Program Office (PMA209) to PMA213.

e. In conjunction with the reorganization of the Department of the Navy, by the Secretary of the Navy, COMNAVAIR disestablished the NAVAIR PDA billets (including PDA12) and assigned responsibility for the ATCALS Program to the Deputy Commander for Acquisition and Operations (AIR-01), effective 1 August 1990, with program management continuing under PMA213.

f. By MOA Between the Department of Defense (DOD) and Federal Aviation Administration (FAA) on Radar Approach Controls in the National Airspace System (NAS) of 14 December 1988, a platform was established to integrate DOD approach controls into the NAS. An Interagency Agreement A, Designating Selected Approach Control Jurisdictions to the MOA Between DOD and the FAA on Radar Approach Controls in the NAS of 20 December 1988, provides the specific radar approach controls or area control facilities. The NAS was issued by the FAA as a plan to modernize the ATC system. By memorandum on DOD NAS of 11 October 1989, the Under Secretary of Defense designated the Air Force as lead Service for NAS modernization. Reference (b) implemented DOD Directive 5030.19 of 22 June 1989 on DOD Responsibilities on Federal Aviation and NAS Matters, which issues policy and assigns

responsibility for NAS. By memorandum of 20 July 1990, the Deputy Secretary of Defense accepted the Program Objectives Memorandum funding for the NAS Program. Reference (c) established policy for administration and management of the DOD NAS acquisition program; outlined roles and responsibilities of the Joint Program Office (JPO) and the Services; and identified program management authority. COMNAVAIR designated PMA213 as Service Deputy Program Manager (SDPM) for the NAS Modernization Program, representing the U.S. Navy.

g. By reference (d), management responsibility for the Signature Managed Air Traffic Control and Landing System (SMATCALS) was transferred from AIR-05 to AIR-01, and program management for SMATCALS was assigned to PMA213, effective 1 July 1992.

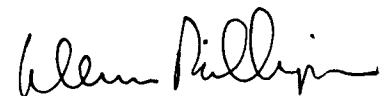
#### 4. Action

a. The PM for the ATCALS Program, CAPT, USN, will continue to organize and execute the program following the authority and direction provided by references (a) through (j), enclosure (1), and other applicable directives issued by higher authority.

b. The PM reports directly to AIR-01, the program executive acquisition authority for PMA213. AIR-01 provides program management direction (when applicable and within broad guidelines), and will exercise fitness report responsibilities for the PM.

c. The NAVAIR functional organizations will continue to support the PM as specified in references (h) and (i), enclosure (1), and other applicable directives issued by higher authority.

5. Approval. The charter for the ATCALS Program (enclosure (1)) is hereby approved.



GLENN P. PHILLIPS  
Deputy Commander for  
Acquisition and Operations

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NAVAIRINST 5400.137A

1 Sep 94

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CHARTER  
FOR THE  
AIR TRAFFIC CONTROL AND LANDING SYSTEMS  
PROGRAM MANAGER AIR (PMA213)

1. Introduction

a. Purpose. This charter establishes the authority and responsibility of the program manager (PM) for the Air Traffic Control (ATC) and Landing Systems (ATCALs) Program (PMA213); and provides the program's description, scope, operating relationships, organization, and resources.

b. References. This program will be conducted following management principles identified in references (a) through (j), this charter, and other applicable directives issued by higher authority.

2. System Description. The ATCALs Program is comprised of a large variety of systems/subsystems and other programs, as follows:

a. Systems

- (1) ATC processing and display.
- (2) Landing.
- (3) Surveillance radar.
- (4) ATC (ground/air/ground) communications.
- (5) Combat identification systems (CIS).
- (6) Navigational aids.
- (7) Airspace management facilities.

b. Subsystems. The following will describe the scope of the ATCALs Program in terms of subsystem categories (including examples of systems/equipment within these categories), and facilities support/upgrade efforts.

404970

1 Sep 94

(1) ATC - Processing and Display Systems. The equipment/systems of this subsystem category are utilized to permit controller interaction with aircraft in Navy controlled airspace at sea and ashore. These systems include, but are not limited to:

(a) Carrier ATC center direct altitude identity and readout.

(b) Amphibious ATC center direct altitude identity and readout.

(c) Radar ATC facility direct altitude identity and readout series.

(d) Fleet Area Control and Surveillance Facility (FACSFAC) air control and tracking system; AN/FYK-17, AN/FYK-17A.

(e) Bright radar alphanumeric display system - AN/UYX-1.

(f) Automatic flight inspection system.

(g) Automatic flight terminal information system.

(2) Landing Systems. The equipment/systems that comprise this category with the ATCALS program are utilized for the positive control of aircraft during landing operations. These systems include, but are not limited to:

(a) Carrier landing system - AN/SPN-42A, AN/SPN-46.

(b) Microwave landing system.

(c) Instrument landing system - AN/SPN-41, TRN-28  
WILCOX mark (MK) 1F.

(d) Carrier controlled approach - AN/SPN-35A.

(e) Precision approach radar - AN/FPN-63, AN/MPN-23.

(f) ATC radar - AN/SPN-43.

(g) Global position satellite based landing systems.

(3) Surveillance Radar Systems. Includes two major categories of surveillance radars. The first category provides primary radar coverage from 6 to approximately 60 nautical miles from the airport. Surveillance coverage is further extended to approximately 180 nautical miles through the use of secondary radar (ATC radar beacon system). This type of radar is typically

designated an airport surveillance radar. The second category of surveillance radars are the long range radars with primary coverage out to approximately 250 nautical miles. These systems include, but are not limited to:

- (a) AN/FPS-20, 67, ARSR-4 (3D).
- (b) AN/GPN-27 (ASR-8), ASR-9.
- (c) Caribbean Regional Operational Center (CARIBROC), Key West, FL, radar systems.
- (d) Naval Strike Warfare Center (NAVSTRWARCEN), Fallon, NV, range area surveillance radar systems.

(4) ATC (Ground/Air/Ground) Communications. The equipments/systems of this subsystem provide required communications connectivity between the ATC facility, operating units within the controlled airspace, the radar systems supporting the facility and other supporting activities. Other internal communications between ATC air controller positions within facilities are included within this subsystem. The ATC communications equipments/systems include, but are not limited to:

- (a) Ultra-high frequency and very high frequency radio systems - AN/GRT-21 and 22, GRR-23 and 24, GRC-171 and 211.
- (b) Flight data entry printout or input and output.
- (c) Intra-facility fiber optic connectivity.
- (d) Intra-facility communications.
- (e) Radar microwave link.
- (f) Communications switching systems - OJ-314, AN/FSA-58, AN/FSA-52 IVCS.
- (g) Communications data links - AN/SSW-1, AN/USQ-98.
- (h) Remote control of geographically dispersed radar networks.

(5) CIS. CIS consists of all equipment/systems and peripherals utilized in performing the identification mission. These systems/equipments include, but are not limited to:

- (a) Cooperative systems - Cooperative aircraft identification, AN/UPX-30 combat identification friend or foe (IFF), MK XII IFF system; antennas - AS-1065, 2188, 2189, 3020, OE-120, 377; decoders - AN/UPA-59, 61, C-8430; interrogators -

1 Sep 94

AN/UPX-23, 24, 25, 27, 29, 30; interference blanker - MK-8757, 8758; transponders - AN/APX-72, 100, UPX-28; and pulse generators - SG-841, 993, 1066, SN-501.

(b) Noncooperative systems - AN/UPX-34, AN/UPX-30, AN/SLQ-20B.

(c) Test Sets - AN/UPM-98, 136, 137 149, 150, 155, TS-1843/APX.

(d) Antennas - AS-1065, 2188, 2189, 3020, OE-120, 377.

(6) Navigational Aides. Provide primary navigation to aircraft for all U.S. Services and North Atlantic Treaty Organization (NATO) through the method of electronic aides, radio beacons, and distance measurement equipment. Navigation and beacon systems employed in the ATCALS mission include, but are not limited to:

(a) Very high frequency omnidirectional range tactical air navigation.

(b) Very high frequency omnidirectional range - FRN-36, WILCOX 485, 585.

(c) Tactical air navigation - AN/SRN-6, 15, AN/URN-20, 25, AN/GRN-9, OE-258, 273.

(d) Non-directional beacon - AN/URN-5, AN/FRN-24, 39.

(7) Airspace Management Facilities. The ATCALS program responsibility extends to the support and upgrades to Navy and Marine Corps facilities engaged in airspace management operations. Specifically included within this category are:

(a) CARIBROC.

(b) NAVSTRWARCEN ATC facilities.

(c) FACSFAC.

c. Other Programs

(1) Naval Air Traffic Control, Air Navigation Aids And Landing Systems (NAALS). The PM executes NAVAIRs responsibilities, as lead SYSCOM, for non-tactical ATC.

(2) Signature Managed ATCALS (SMATCALS). PMA213 is responsible for ATC projects and providing contracting officer's technical representative (COTR) management for SMATCALS.



1 Sep 94

(3) National Airspace System (NAS) Modernization. The PM is assigned responsibility as the U.S. Navy representative for the Department of Defense (DOD) and Federal Aviation Administration (FAA) NAS Modernization program, as delegated by the Commander, Naval Air Systems Command (COMNAVAIR). The Air Force is executive Service for this effort.

### 3. Scope

a. The scope of ATCALS consists of the definition, research and development, acquisition, initial support, production, test and evaluation (T&E), and readiness improvement of the systems. This includes components, spares, repair parts, peculiar and common support equipment and all supporting technical documentation.

b. Funds listed in the Future Years Defense Plan and assigned to the PM for obligation in the execution of program objectives include the following: Operations and Maintenance, Navy; Other Procurement, Navy; Shipbuilding and Conversion, Navy; Research, Development, Test and Evaluation, Navy; and other miscellaneous funds.

c. Programs under responsibility of the PM are classified as acquisition category (ACAT) I, III, and IVT (requires operational test and evaluation). The NAS modernization is classified as ACAT IC.

d. The Materiel Professional Standing Board approved the ATCALS as a major program, 27 August 1991. Reference (e) tenure requirement of four years or until completion of a major program milestone do not apply.

e. The PM's billet (military officer (06)) is equivalent to a major command.

### 4. Authority and Responsibilities

a. The PM for the ATCALS Program will organize and execute the program following the authority and direction provided by references (a) through (j), this charter, and other applicable directives issued by higher authority. The PM will be assisted by the Deputy PM who will be in an acting capacity during absence of the PM. The PM is responsible for managing the program and accomplishing objectives stated in this charter. The PM has broad directive authority within the scope of the program to plan, direct, control, and use resources not only for the approved programs, but also program-related in-house and contractor organizations, including assignment of responsibilities, as appropriate, to the various Naval Air Systems Command (NAVAIR) functional organizational elements within the overall framework outlined in references (h) and (i). As the responsible executive, the PM is expected to act on matters affecting the program. When action is required beyond the

1 Sep 94

authority granted in this charter, the PM will refer the action to higher authority with recommendations, including alternatives available.

b. PMA213 will act as executive agent in providing program management of all ATCALS efforts. The PM exercises total responsibility for systems life cycle management, including the development, production, deployment, and logistics support of these systems for installation and operation aboard ships and at shore facilities worldwide. The PM will satisfy approved operational requirements by providing the Navy's operating forces with fully developed, reliable, and supportable ATCALS.

c. Following the guidance of reference (j), the PM is authorized to prepare and sign fitness reports (FITREPs) for all military personnel (junior to the PM) assigned full-time to the ATCALS Program and may submit concurrent FITREPs on other military personnel (junior to the PM) supporting the ATCALS Program. Under the authority of this charter, the PM may execute performance evaluations applicable for civilian personnel assigned full-time to PMA213 and may submit concurrent evaluations on civilian employees working for the program in functional management and NAVAIR field activities.

d. PMA213 will exercise business/financial planning and control for new procurements and in-production ATCALS equipments and systems; and perform continuous evaluations of the program's progress against performance requirements, cost, schedule goals, and approve changes as appropriate.

e. The PM will manage common/out-of-production ATCALS, and unique/in-production ATCALS requirements.

f. The PM will ensure timely submission of reports to higher authority, following the guidance of references (e) through (h).

g. The principal mission of PMA213, in executing the Naval Air Systems Command Headquarters (NAVAIRHQ) ATCALS Program, is to develop, procure, install, and support equipments/systems required by the Navy; and ensure positive, reliable and safe control of flight operations at sea and ashore.

h. Following the guidance of reference (h), when an official above the PM exercises milestone decision authority or programmatic direction on programs assigned to PMA213, the decision or programmatic direction will be documented with a copy forwarded to PMA213. The official will be held responsible and accountable for the decision or programmatic direction.

5. Limitation of Authority. The PM's authority is limited as follows:

a. The PM does not have the authority to deviate from policy established by higher authority.

b. Communication, action or inaction, in any form, which contractors may interpret as direction will be conducted only through an appropriately assigned contracting officer.

6. Relationship to Chartering Authority. The PM is accountable to the Deputy Commander for Acquisition and Operations (AIR-01), and ultimately to COMNAVAIR for responsible management of all assigned efforts. The PM reports directly to AIR-01. The PM will ensure commonality, interoperability, and multi-platform integration for the warfare/mission area; monitor and evaluate the mission performance of the program throughout its life cycle; make recommendations as appropriate; and keep AIR-01 informed on program status and progress.

7. Specific Interface and Operating Relationships. The PM, in organizing and administering management responsibilities for the ATCALS Program will accomplish the following:

a. Coordinate appropriate interface segments of the program with the naval aviation program executive officers, Direct Reporting Program Manager, other PM's, systems commands (SYSCOMs) to ensure ATC and related systems are coordinated and integrated by establishing and issuing design interface specifications.

b. Maintain liaison, via chain of command, with the cognizant Requirements Officers in the Office of the Chief of Naval Operations (OPNAV), Joint Chiefs of Staff, and the Secretary of the Navy, as appropriate and following the guidance of the Navy Programming Manual. The PM will keep the appropriate personnel fully informed of the status and progress of the program through formal and informal communications.

c. Review operational requirements for systems assigned to PMA213, including inventory objectives established by higher authority, ensure timeliness, accuracy, consistency, and compatibility with program plans and funding availability. When the PM cannot resolve inconsistent or incompatible requirements and objectives, the problems will be submitted with the PM's recommendations, in writing, to AIR-01.

d. Establish requirements for, and monitor the acquisition of special or additional facilities necessary to support T&E, installation, operation, and maintenance of assigned systems and ancillary equipment, by references (e) through (h).

e. Maintain liaison with cognizant personnel at NAVAIR T&E activities during developmental T&E and keep AIR-01 informed on the readiness of the systems for operational evaluation and fleet use. The PM will maintain active liaison with cognizant personnel in the Operational Test and Evaluation Force

1 Sep 94

(OPTEVFOR), and the Office of the Secretary of Defense, via chain of command, on operational T&E for the ATCALs Program.

f. As the Navy Service Deputy Program Manager (SDPM) for NAS Modernization, the PM will be the single point of contact between the Navy and the Joint Program Office (JPO) and will follow the guidance of references (b) and (c), and other joint agreements on NAS. As SDPM, the PM will represent the Navy on funding, scheduling, personnel, and will work closely with the JPO Program Director. PMA213 has line responsibility to the JPO. The PM will ensure a Navy representative is assigned to the Air Force (lead service), Hanscom Air Force Base, MA. PMA213 will keep AIR-01 informed on applicable NAS activities.

g. Fulfill obligations assigned to NAVAIRHQ as lead SYSCOM for execution of naval non-tactical ATC for the NAALS Program, following the guidance of reference (a).

h. Keep the Office of Vice Commander (AIR-09), Military Affairs Officer (AIR-09X) informed of military personnel requirements.

i. Respond to Defense Security Assistance Program (DSAP) requirements, as applicable, and will maintain liaison with the NAVAIRHQ Defense Security Assistance Division (AIR-103), and the Navy International Program Offices on DSAP matters.

j. Serve as the command primary point of contact with higher authority and fleet users in determining requirements and formulating policy and expeditious accomplishment of the ATC program mission. Provide long-range planning and programming support in coordination with the NAVAIR functional groups to ensure current and future ATCALs system and equipment development efforts meet evolving operational requirements.

k. Provide liaison with the NAVAIR functional groups for integrated logistics support, systems engineering technical support, production planning, and facilities planning. Assign Deputy Program Managers with responsibility and authority to issue systems acquisition responsibilities for the systems and subsystems assigned to PMA213.

l. Monitor, review, and when assigned as the chairperson of the Change Control Board, approve or disapprove waivers, deviations, engineering change proposals, and value engineering change proposals for cognizant systems and systems related hardware.

m. Conduct type commander certification inspections of NAVAIR ATC facilities.

8. Program Staffing and Organization. The Program Office will be organized by and function under direction of the PM. The organization and staffing requirements are provided by attachment A of this enclosure. Additional billets may be added as approved by AIR-01.

9. Participating Organizations

a. NAVAIRHQ. All elements of NAVAIRHQ will support the PM following responsibilities in references (h) and (i). The PM is authorized direct liaison with all NAVAIRHQ divisions and directorates in fulfilling responsibilities. NAVAIRHQ key manpower resources are listed in attachment B of this enclosure. During disagreements, actions directed by the PM will be continued until resolution. Following reference (d), PMA213 is not provided dedicated engineering matrix support from the Assistant Commander for Systems and Engineering (AIR-05). Engineering support will primarily be provided by Naval Command, Control and Ocean Surveillance Center field activities.

b. Field Activities. Field activities participating in the program are listed in attachment C of this enclosure. Other activities may be added as approved by higher authority. The PM is authorized direct liaison with all field activities concerned with the program. Formal work assignments to NAVAIR and non-NAVAIR activities will be coordinated through the appropriate functional organization in NAVAIRHQ, following established procedures.

c. Non-NAVAIR Organizations. Assignments to activities not under NAVAIRHQ control will be established by Memoranda of Agreement (MOAs)/Memoranda of Understanding (MOUs), or other forms of agreement. The PM will keep AIR-01 informed on all agreements in order for the PM to receive adequate support.

d. SYSCOMs. SYSCOMs will support the PM following established procedures.

e. Administrative Support. PMA213 will be administratively supported by NAVAIRHQ, following reference (i). Support will include military personnel services, space allocations, security, communication, and other services. The support will also include civilian personnel services, in coordination with the Human Resources Office, Crystal City, Arlington, VA.

10. Congressional and Public Information. COMNAVAIR is responsible for coordinating and disseminating public information relative to the program within the Department of the Navy, to legislative bodies, industry, and to the general public. This responsibility has been delegated to the NAVAIRHQ Congressional Liaison Office (AIR-07C) for Congressional inquiries, and to the Public Affairs Office (AIR-07D) for news media or other public inquiries.

1 Sep 94

11. Resources Assessment

a. The PM will evaluate and document the effect of proposals to increase or decrease the resources authorized for program execution and will determine the effect of proposed changes on approved cost, schedules, procurement plans, and performance objectives. Officials having final decision authority during programming, reprogramming, and budgeting deliberations will consider the PM's evaluation.

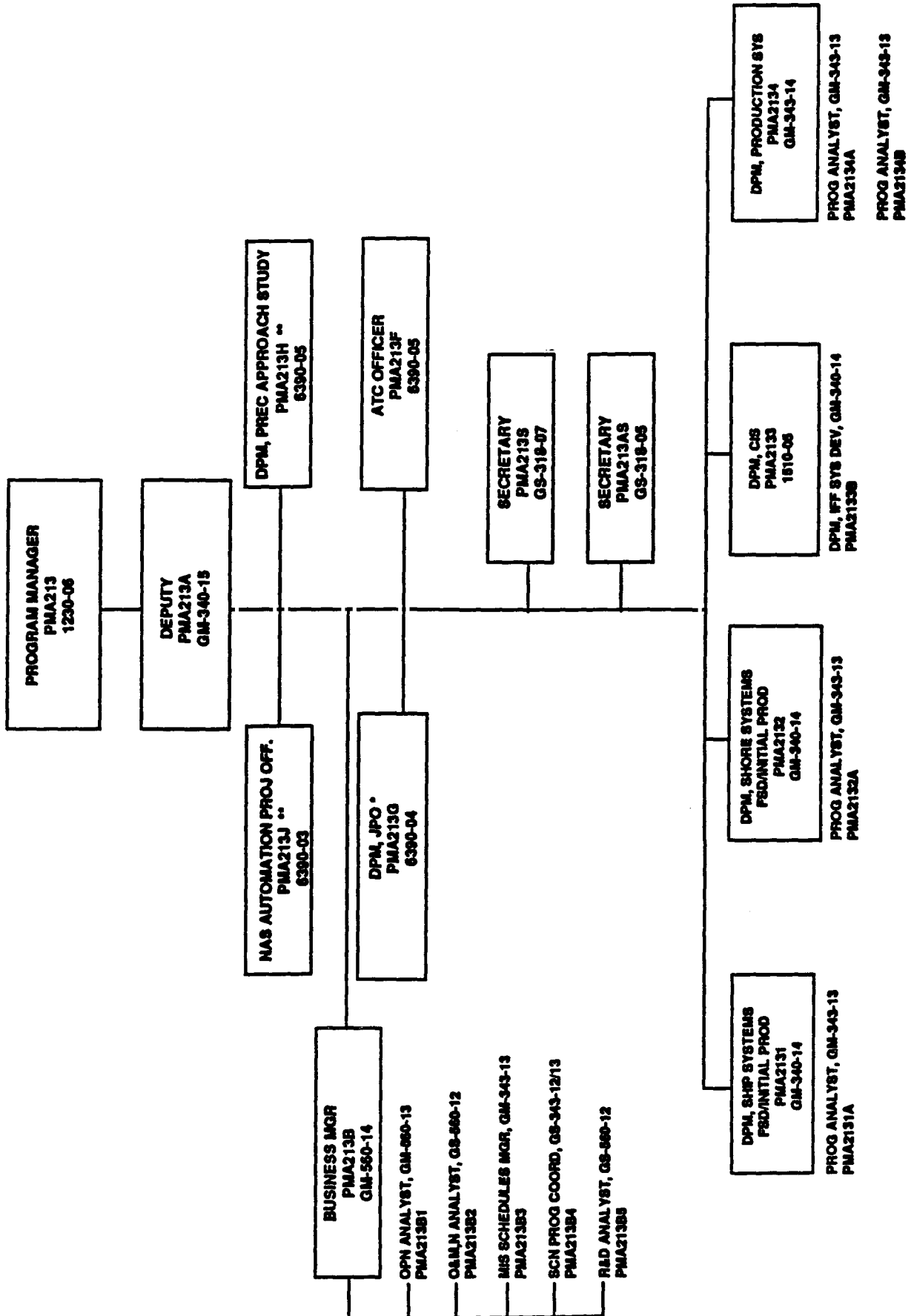
b. The PM will inform OPNAV, via chain of command, on situations where program requirements cannot be attained within available resources and time.

12. Program Transition or Disestablishment. The PM will review this program periodically to determine if objectives have been accomplished. If the review indicates objectives have been or are near completion, the PM will develop a transition plan, following the guidance of NAVAIR Instruction 5400.120A, to ensure a smooth disposition of remaining resources, responsibilities, and functions.

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14

**PMA213 ORGANIZATION**



\* LOCATED AT HANSCOM AFB  
\*\* LOCATED AT FAA WASH., D.C.

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Attachment A  
Enclosure (1)

15/16B

NAVAIRHO KEY MANPOWER RESOURCES

ASSISTANT PROGRAM MANAGERS AND PROGRAM SUPPORT OFFICERS

<u>TITLE</u>	<u>CODE</u>
Office of Counsel	AIR-00C
Aviation Training Systems Program	PMA205
Production Management Division	AIR-114
Test and Evaluation Division	AIR-1203
Missiles, Systems and Avionics Contracts Division	AIR-2163
Logistics Management Division	AIR-410
Product Integrity and Production Engineering Division	AIR-516
Cost Analysis Division	AIR-524
Warfare Analysis Division	AIR-526
Avionics System Engineering Division	AIR-546

404970

17/18B



1 Sep 94

ACTIVITIES PARTICIPATING IN THE  
AIR TRAFFIC CONTROL AND LANDING SYSTEMS PROGRAM

<u>ACTIVITY</u>	<u>LOCATION</u>	<u>TYPE OF WORK PERFORMED</u>
Naval Command, Control and Ocean Surveillance Center, Naval Research and Development Division	San Diego, CA	Research, Development, Test and Evaluation (RDT&E) for combat identification (ID), Landing Systems.
Naval Research Laboratory	Washington, DC	RDT&E for combat ID.
Naval Command, Control and Ocean Surveillance Center, In-Service Engineering, East Coast Detachment	St. Inigoes, MD	Center of excellence for selected air traffic control and landing systems (ATCALS) functions.
Naval Command, Control and Ocean Surveillance Center, In-Service Engineering, West Coast Detachment	San Diego, CA	Center of excellence for selected ATCALS functions.
Naval Command, Control and Ocean Surveillance Center, In-Service Engineering, West Coast Detachment	Vallejo, CA	Center of excellence for selected ATCALS functions.
Naval Command, Control and Ocean Surveillance Center, In-Service Engineering, East Coast Detachment	Charleston, SC	Center of excellence for selected ATCALS functions.
Naval Sea Logistics Center	Mechanicsburg, PA	Provisioning data review.
Naval Command, Control and Ocean Surveillance Center, In-Service Engineering, East Coast Detachment	Portsmouth, VA	Technical manuals.
Navy Aviation Supply Office	Philadelphia, PA	Provisioning.

NAVAIRINST 5400.137A  
1 Sep 94

ACTIVITIES PARTICIPATING IN THE  
AIR TRAFFIC CONTROL AND LANDING SYSTEMS PROGRAM (Con.)

<u>ACTIVITY</u>	<u>LOCATION</u>	<u>TYPE OF WORK PERFORMED</u>
Fleet Operational and Administrative Activities	Various	Coordination of ATCALS matters.
Naval Sea Systems Command	Washington, DC	Shipboard installations.
Ships Parts Control Center	Mechanicsburg, PA	Provisioning.
U.S. Coast Guard/U.S. Air Force/U.S. Army/Federal Aviation Administration	Various	Liaison.
Naval Air Warfare Center, Aircraft Division	Indianapolis, IN	Maintenance engineering drawings, test functions.
Office of the Chief of Naval Operations	Washington, DC	Requirements Officers (N885/N862/N865), ATCALS Program.
Naval Air Warfare Center, Aircraft Division	Patuxent River, MD	Test support.